

AMENDMENTS TO THE CLAIMS

Claims 1-15 (Canceled)

16. (New) A broadcast channel change detection apparatus comprising a detection device for receiving a broadcast wave including channel change information that includes a change date and time of a physical channel of the broadcast wave and physical channels before and after the change, and for searching and detecting channel change plan information that includes the change date and time regarding the physical channel to be changed in a television receiver apparatus and the physical channels before and after the change, based on the channel change information.

17. (New) A broadcast channel change detection apparatus comprising:
a first storage device for previously storing channel preset information including a physical channel of a broadcast wave received by a television receiver apparatus; and
a detection device for receiving the broadcast wave including channel change information that includes a change date and time of the physical channel of the broadcast wave and physical channels before and after the change, and for searching and detecting channel change plan information that includes the change date and time regarding the physical channel to be changed in said television receiver apparatus and the physical channels before and after the change, based on the channel preset information and the channel change information.

18. (New) The broadcast channel change detection apparatus as claimed in claim 16, further comprising a judgment device for receiving the broadcast wave on the physical channel after the change in the channel change plan information, and for judging whether or not the broadcast wave is actually receivable based on the detected channel change plan information, when the change date and time in the channel change plan information is older than or equal to a current date and time.

19. (New) The broadcast channel change detection apparatus as claimed in claim 18,

wherein said judgment device stores the physical channels before and after the change regarding the broadcast wave that is actually receivable, in a second storage device as a channel shift list.

20. (New) The broadcast channel change detection apparatus as claimed in claim 19, further comprising a notification device for notifying a user of information of the stored channel shift list.

21. (New) The broadcast channel change detection apparatus as claimed in claim 19, further comprising an update device for updating the channel preset information including the physical channel of the broadcast wave received by the television receiver apparatus, based on the information of the stored channel shift list.

22. (New) The broadcast channel change detection apparatus as claimed in claim 16, further comprising a notification device for notifying a user of the detected channel change plan information.

23. (New) The broadcast channel change detection apparatus as claimed in claim 17, further comprising a notification device for notifying a user of the detected channel change plan information.

24. (New) The broadcast channel change detection apparatus as claimed in claim 16, further comprising an update device for updating the channel preset information including the physical channel of the broadcast wave received by the television receiver apparatus, based on the detected channel change plan information.

25. (New) The broadcast channel change detection apparatus as claimed in claim 17, further comprising an update device for updating the channel preset information

including the physical channel of the broadcast wave received by the television receiver apparatus, based on the detected channel change plan information.

26. (New) A recording apparatus comprising:

a recording device for receiving a broadcast wave, and recording video and audio signals of the received broadcast wave; and

a detection device for receiving the broadcast wave including channel change information that includes a change date and time of a physical channel of the broadcast wave and physical channels before and after the change, and for searching and detecting channel change plan information that includes the change date and time regarding the physical channel to be changed in a television receiver apparatus and the physical channels before and after the change, based on the channel change information.

27. (New) A recording apparatus comprising:

a recording device for receiving a broadcast wave by a television receiver apparatus, and recording video and audio signals of the received broadcast wave;

a storage device for previously storing channel preset information including a physical channel of the received broadcast wave; and

a detection device for receiving the broadcast wave including channel change information that includes a change date and time of a physical channel of the broadcast wave and physical channels before and after the change, and for searching and detecting channel change plan information that includes the change date and time regarding the physical channel to be changed in said television receiver apparatus and the physical channels before and after the change, based on the channel preset information and the channel change information.

28. (New) The recording apparatus as claimed in claim 26, further comprising a controller for judging whether or not a physical channel after the change is present based on the channel change plan information upon executing a reserved recording process, for receiving the broadcast wave on the physical channel after the change in the channel change plan information and judging whether or not the broadcast wave is actually

receivable when the physical channel after the change is present, and for executing the recording process when the broadcast wave is actually receivable.

29. (New) The recording apparatus as claimed in claim 28,
wherein said controller notifies a user that the recording process failed when the broadcast wave is actually non-receivable.

30. (New) The recording apparatus as claimed in claim 26, further comprising a controller for judging whether or not a physical channel after the change is present based on the channel shift list upon executing a reserved recording process, for receiving the broadcast wave on the physical channel after the change in the channel shift list and judging whether or not the broadcast wave is actually receivable when the physical channel after the change is present, and for executing the recording process when the broadcast wave is actually receivable.

31. (New) The recording apparatus as claimed in claim 30,
wherein said controller notifies a user that the recording process failed when the broadcast wave is actually non-receivable.

32. (New) A television receiver apparatus for receiving a broadcast wave, and displaying and outputting video and audio signals of the received broadcast wave, respectively, said television receiver apparatus comprising a detection device for receiving a broadcast wave including channel change information that includes a change date and time of a physical channel of the broadcast wave and physical channels before and after the change, and for searching and detecting channel change plan information that includes the change date and time regarding the physical channel to be changed in said television receiver apparatus and the physical channels before and after the change, based on the channel change information.

33. (New) A television receiver apparatus for receiving a broadcast wave, and displaying and outputting video and audio signals of the received broadcast wave, respectively, said television receiver apparatus comprising:

a storage device for previously storing channel preset information including a physical channel of the received broadcast wave; and

a detection device for receiving the broadcast wave including channel change information that includes a change date and time of a physical channel of the broadcast wave and physical channels before and after the change, and for searching and detecting channel change plan information that includes the change date and time regarding the physical channel to be changed in said television receiver apparatus and the physical channels before and after the change, based on the channel preset information and the channel change information.

34. (New) A television receiver apparatus for receiving a broadcast wave, and displaying and outputting video and audio signals of the received broadcast wave, respectively, said television receiver apparatus comprising:

a recording device recording video and audio signals of the received broadcast wave; and

a detection device for receiving the broadcast wave including channel change information that includes a change date and time of a physical channel of the broadcast wave and physical channels before and after the change, and for searching and detecting channel change plan information that includes the change date and time regarding the physical channel to be changed in a television receiver apparatus and the physical channels before and after the change, based on the channel change information.

35. (New) A television receiver apparatus for receiving a broadcast wave, and displaying and outputting video and audio signals of the received broadcast wave, respectively, said television receiver apparatus comprising:

a recording device recording video and audio signals of the received broadcast wave; and

a storage device for previously storing channel preset information including a physical channel of the received broadcast wave received by said television receiver apparatus; and

a detection device for receiving the broadcast wave including channel change information that includes a change date and time of a physical channel of the broadcast wave and physical channels before and after the change, and for searching and detecting channel change plan information that includes the change date and time regarding the physical channel to be changed in said television receiver apparatus and the physical channels before and after the change, based on the channel preset information and the channel change information.